

PATENT APPLICATION

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NON-MARKED UP VERSION OF THE AMENDED CLAIMS

1. A system for communicating selected information to an electronic device, the system comprising:
 - a digital engine operable to maintain data associated with selectable audio information, the audio information comprising an audio file;
 - a communication engine communicatively coupled to the digital engine, the communication engine operable to initiate wireless communication of the data to the electronic device;
 - a graphical user interface operably coupled to the digital engine to provide available information to a user of a communication network and to receive an input from the user identifying a selected portion of the selectable information; and
 - wherein the interface operates in a web browsing environment and the wireless communication operates outside the browsing environment.
2. **(Deleted per First Amendment)** The system of Claim 1 further comprising an interface operably coupled to the digital engine, the interface operable to provide available information to a user of a communication network, and to receive an input from the user identifying the selected information.
3. **(Deleted per First Amendment)** The system of Claim 2, wherein the interface operates in a browsing environment and the wireless communication operates outside the browsing environment.
4. The system of Claim 1, wherein the wireless communication comprises communication via a cellular communications network.
5. The system of Claim 4, wherein the cellular communication network comprises a global system for mobile communications network.

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6. The system of Claim 5, wherein the global system for mobile communications network operates between about 1.7 GHz and 2.0 GHz.

7. The system of Claim 4, wherein the cellular communication network comprises a code-division multiple access network.

8. (Amend) The system of Claim 1, wherein the wireless communication comprises communicating via a short-range microwave wireless link.

9. The system of Claim 8, wherein the wireless link comprises a Bluetooth link.

10. The system of Claim 8, wherein the wireless link operates around 2.4 GHz.

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11. (Amend) A method for communicating selected audio information to an electronic device, the method comprising:

maintaining data associated with the selected audio information using a digital engine;

initiating wireless communication of the data to the electronic device;

presenting information associated with audio information within a graphical user interface associated with a communication network;

receiving an input from a user identifying the selected information; and

receiving an input from a user identifying the electronic device, the input including a reference identifying the electronic device.

12. (Deleted per First Amendment) The method of Claim 11 further comprising:

presenting information associated with audio information within an interface associated with a communication network; and

receiving an input from a user identifying the selected information.

13. The method of Claim 11 further comprising presenting information associated with identifying the electronic device.

14. The method of Claim 12 wherein the interface operates in a web browsing environment and the wireless communication operate outside the browsing environment.

15. The method of Claim 11 wherein the wireless communication comprises communicating via a cellular communications network.

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16. (Amend) An electronic device for receiving selected audio information via wireless communication, the device comprising:

a long-range communication module operable to receive wireless communication of information;

a short-range RF communication module operably coupled to a processor module;

a storage medium operably coupled to the short-range RF communication module, the storage medium operable to store selected audio information that comprises an audio file;

the processor module coupled to the storage medium, the processor module operable to process received selected audio information; and

a display operable to display a web browser within a user interface.

17. (Deleted per First Amendment) The device as recited in Claim 16, wherein the communication module comprises a cellular modem.

18. The device as recited in Claim 16, wherein the device is a handheld computing device.

19. The device as recited in Claim 16, wherein low power RF module outputs audio information indirectly to an audio speaker.

20. The device as recited in Claim 16 further comprising software for processing the selected audio information.

21. (Amend) The device as recited in Claim 16, wherein the short-range communication module is operable to scan frequencies.

22. (Deleted per First Amendment) The device as recited in Claim 16, further comprising a display operable to display a user interface.

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23. (Amend) The device as recited in Claim 16 wherein the short-range RF communication module is operable with a 'Bluetooth' communication standard.

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24. **(Deleted per First Amendment)** A method for communicating selected audio information to an electronic device, the method comprising:

- presenting information associated with audio information within an interface associated with a communication network;
- receiving an input from a user identifying the selected information;
- maintaining data associated with the selected audio information using digital engine; and
- initiating wireless communication of the data to the electronic device.

25. **(Deleted per First Amendment)** The method of Claim 24 wherein the interface operates in a browsing environment and the wireless communication operates outside the browsing environment.

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26. The system of Claim 1 further comprising a wireless telephone.
27. (Amend) The system of Claim 26 wherein the wireless telephone is operable to communicate with a short-range wireless communication network.
28. The system of Claim 1 wherein the audio information includes at least one of a WAV file, an MP3 file or a MIDI file.
29. The system of Claim 1 wherein the audio information further comprises streaming audio information.
30. The method of Claim 11 further comprising presenting the information in a web browsing environment.
31. (Amend) The device as recited in Claim 16 further comprising a wireless telephone, wherein the information received by the long-range communication module comprises a voice call.
32. The device as recited in Claim 16 wherein the audio file includes at least one of a WAV file, an MP3 file or a MIDI file.
33. The device as recited in Claim 32 wherein the audio information comprises streaming audio information.

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34. (Amend) An electronic device for communicating selected audio information via wireless communication, the device comprising:

a short-range RF communication module operable to communicate about 2.4 GHz;

a storage medium operably coupled to the communication module, the storage medium operable to store the selected audio information; and

a processor module coupled to the communication module, the processor module operable to process the selected audio information to play the selected audio information.

35. The device as recited in Claim 34 further comprising a display operable to display a user interface operably associated with a web browsing environment.

36. The device as recited in Claim 35 further comprising a cellular phone operable to communicate with a cellular phone network.

37. (Amend) The device as recited in Claim 36 wherein the cellular phone is operable to communicate the selected audio information.

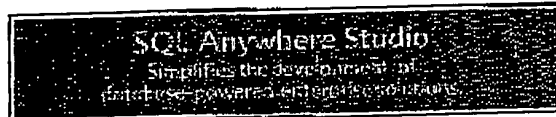
38. (Added) The device as recited in Claim 34, further comprising:

a display operable to display a user interface;

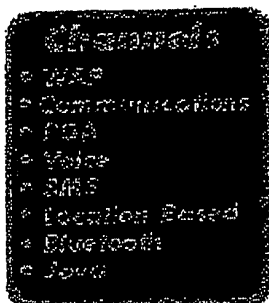
a cellular phone operable to communicate with a cellular phone network; and

wherein the processor is operable to process selected audio information in association with receiving a telephonic communication, wherein the selected audio information includes an audio file selected by the user of the cellular phone and received and stored within the storage medium prior to receiving the telephonic communication.

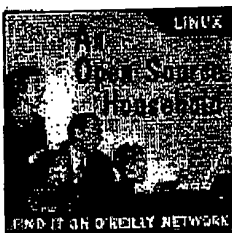
39. (Added) The device as recited in Claim 37 further comprising the processor operable to process the selected audio information in association with receiving a telephonic communication, wherein the selected audio information includes an audio file selected by the user of the cellular phone and received and stored within the storage medium prior to receiving the telephonic communication.



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Short-Range Wireless Connectivity: A Complementary Comparison (cont.)

by Puneet Gupta

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Bluetooth

Bluetooth is a high-speed, low-power microwave wireless link technology, designed to connect phones, laptops, PDAs and other portable equipment together with little or no work by the user. Unlike infra-red, Bluetooth does not require line-of-sight positioning of connected units. The technology uses modifications of existing wireless LAN techniques but is most notable for its small size and low cost. Whenever any Bluetooth-enabled devices come within range of each other, they instantly transfer address information and establish small networks between each other, without the user being involved.

Features:

- Operates in the 2.56 GHZ ISM band which is globally available (no license required)
- Uses FHSS (Frequency hop spread spectrum)
- Can support upto 8 devices in a piconet
- Omni-directional, non line of sight transmission through walls
- 10m to 100m range
- Low cost, \$20
- 1mW power
- Extended range with external power amplifier

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COMPUTER User High-Tech Dictionary

Definition: streaming

Playing audio or video immediately as it is downloaded from the Internet, rather than storing it in a file on the receiving computer first. Streaming is accomplished by way of web browser plug-ins, which decompress and play the file in real time; a fast computer and fast connection are necessary.

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streaming sound

Streaming sound is sound that is played as it arrives. The alternative is a sound recording (such as a WAV file) that doesn't start playing until the entire file has arrived. Support for streaming sound may require a [plug-in](#) player or come with the [browser](#). Leading providers of streaming sound include Progressive Networks' RealAudio and Macromedia's Shockwave for Director (which includes an animation player as well).

Last updated on: Jul 31, 2001

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